

FIG. 2A

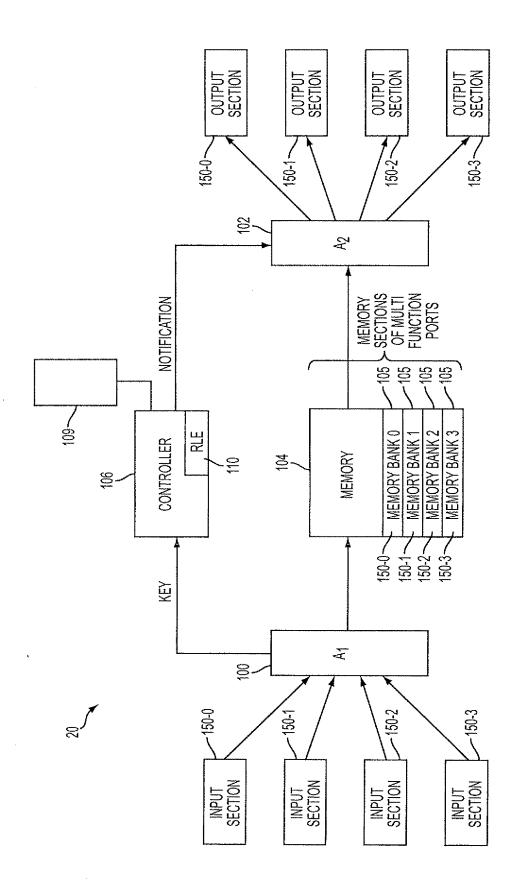


FIG. 2B

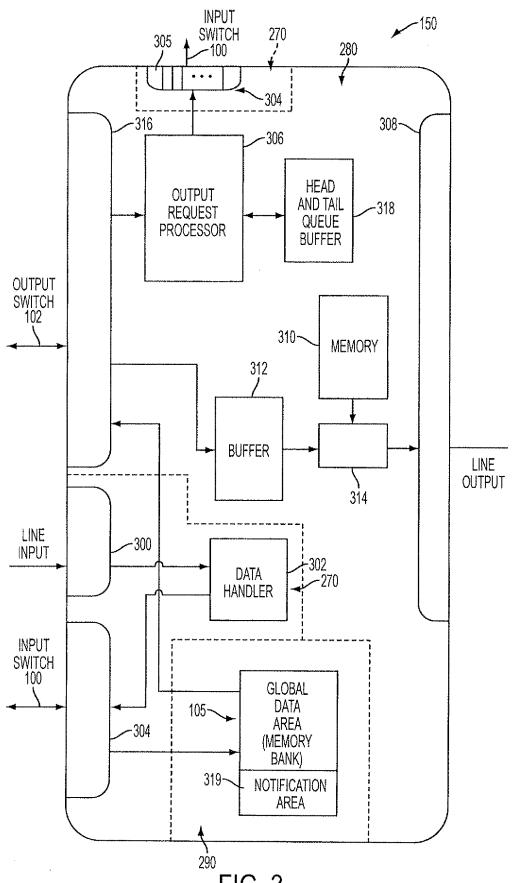


FIG. 3

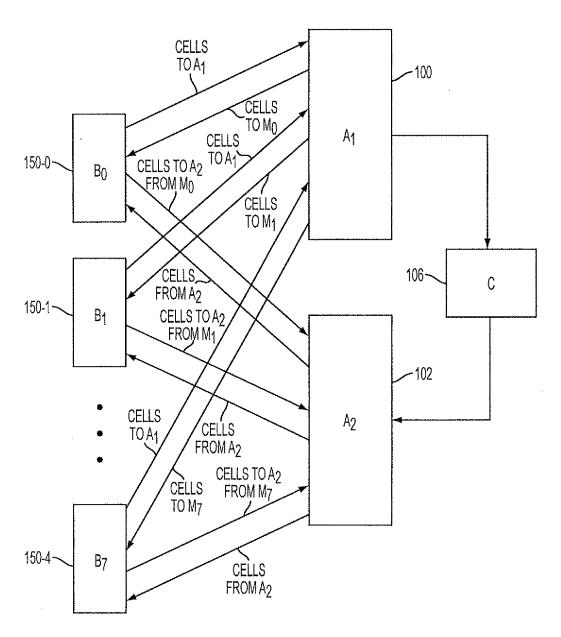


FIG. 4

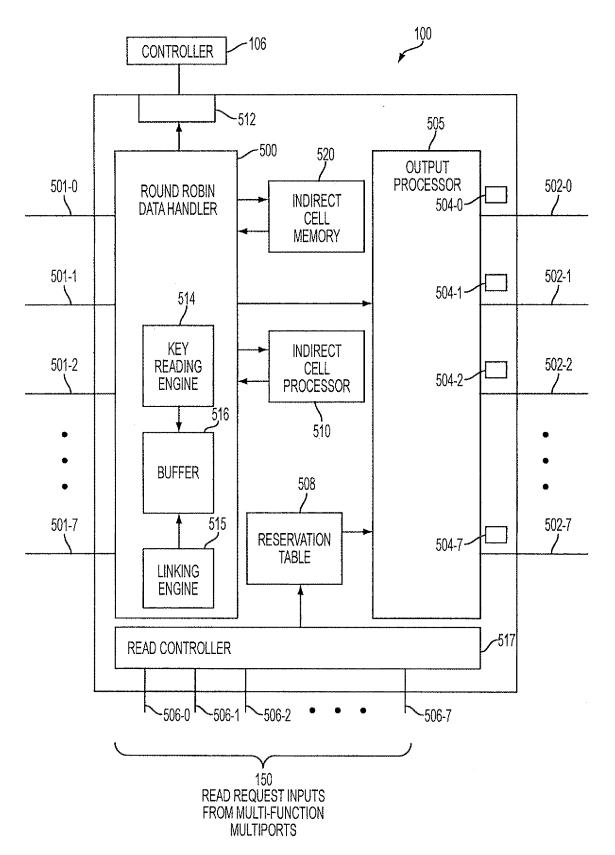


FIG. 5

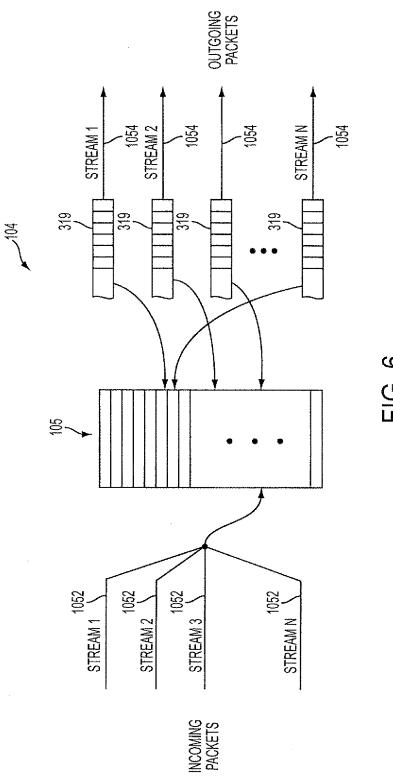


FIG. 6

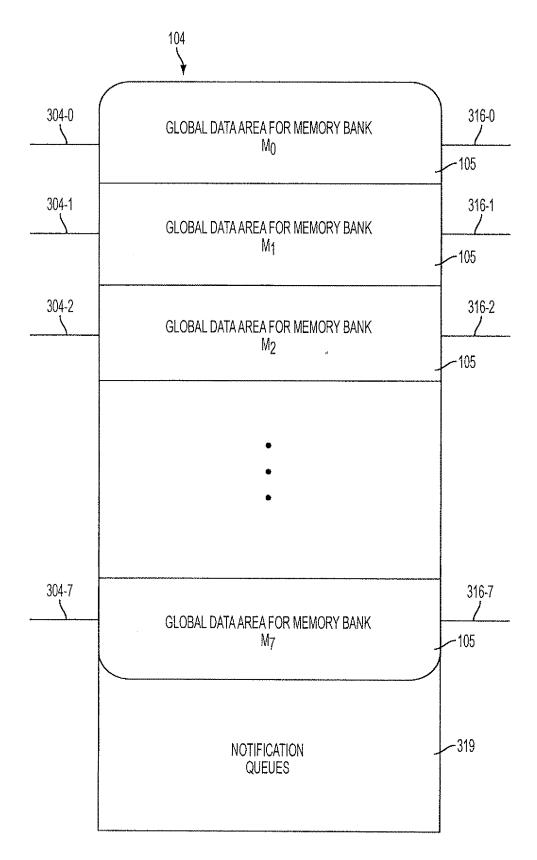


FIG. 7

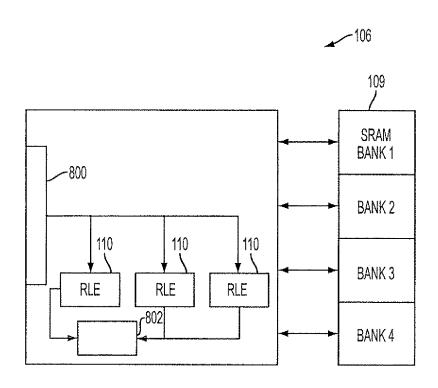


FIG. 8

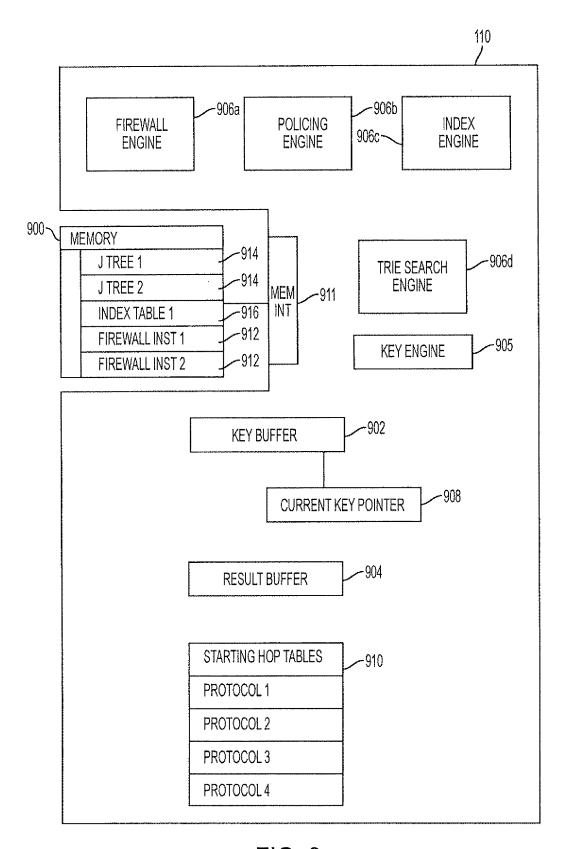


FIG. 9

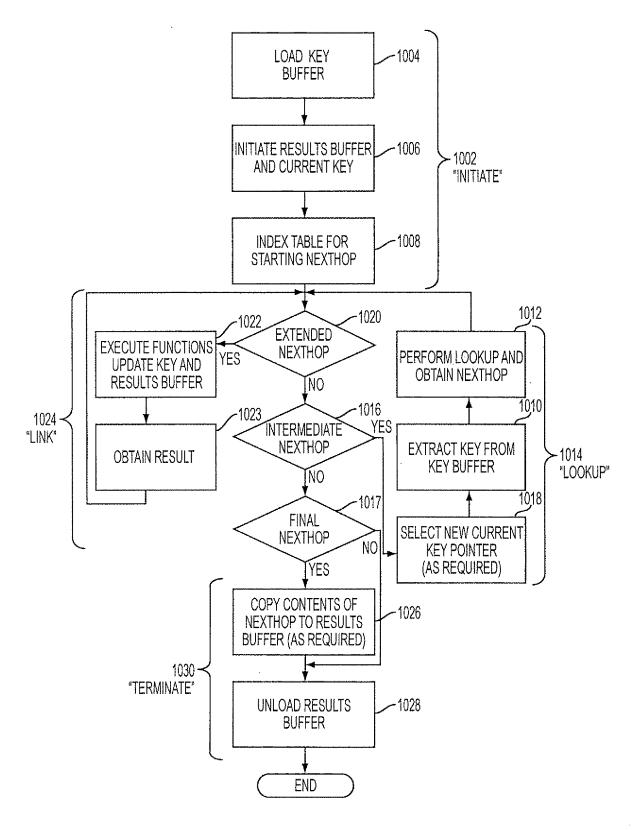


FIG. 10

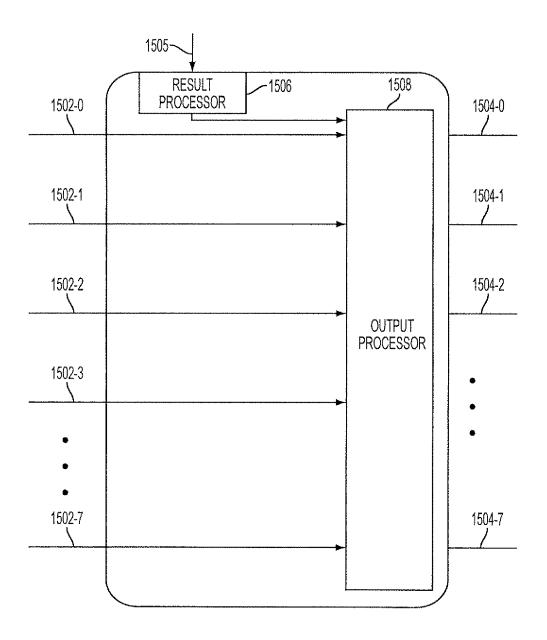


FIG. 11

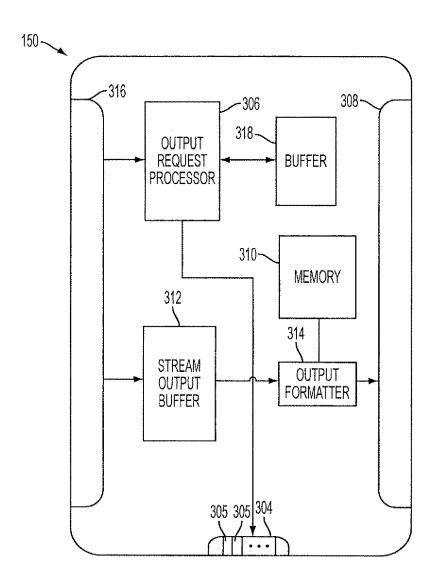


FIG. 12

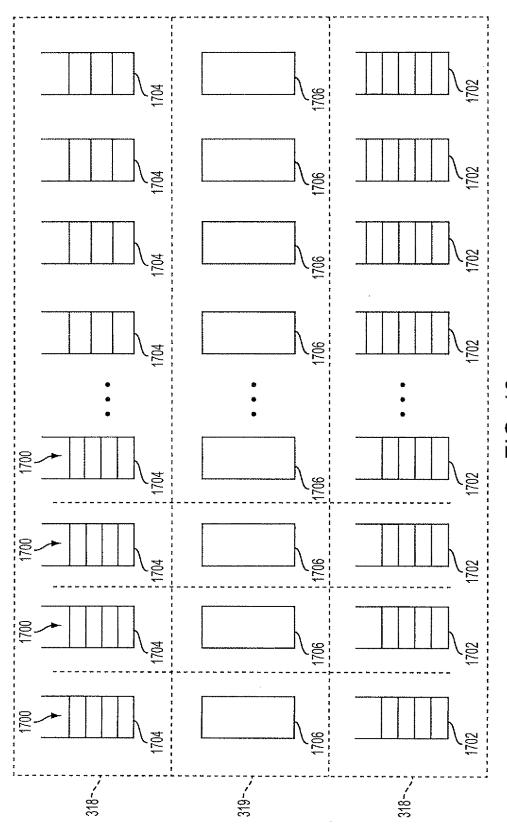


FIG. 13

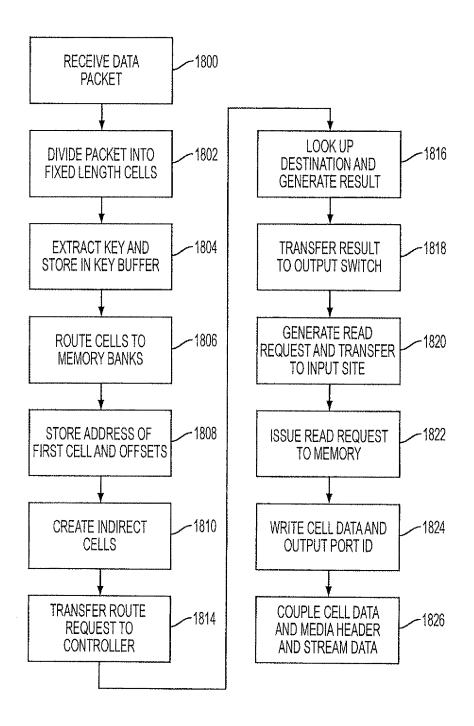


FIG. 14

## INTERNET PROCESSOR II ASIC VERSUS CPU-BASED BACKBONE ROUTER

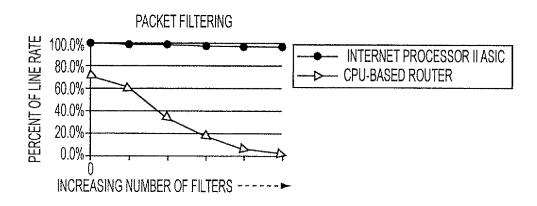
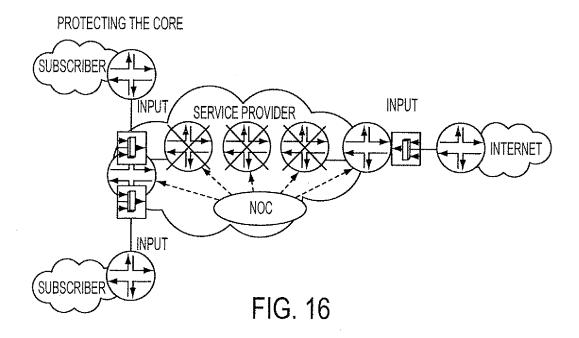


FIG. 15



## **OUTSOURCE PACKET FILTERING**

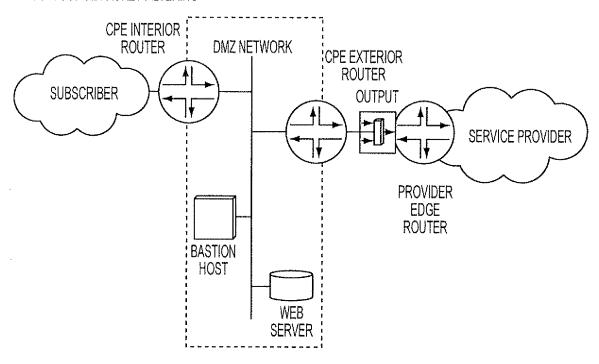


FIG. 17

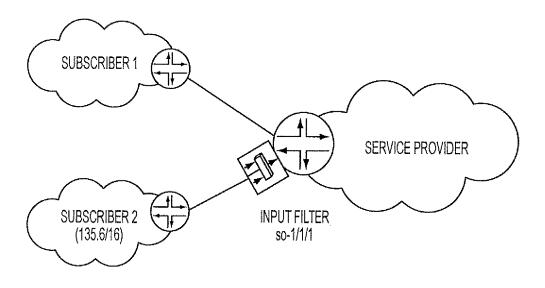


FIG. 18

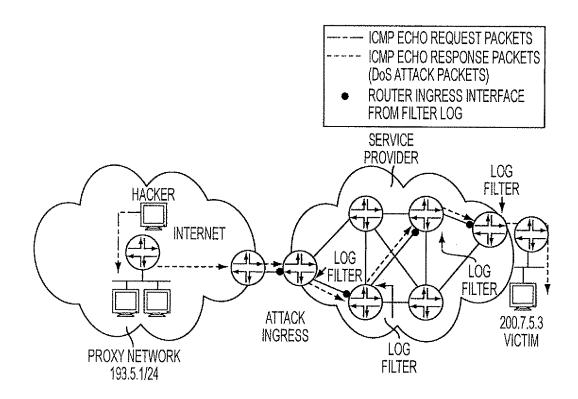


FIG. 19

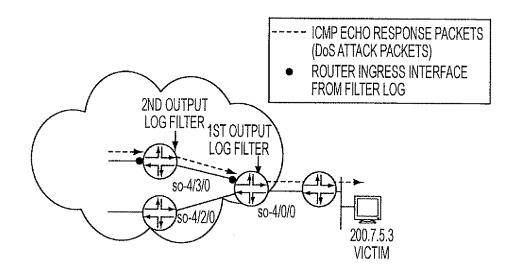


FIG. 20

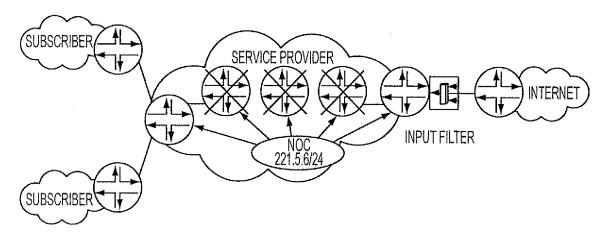


FIG. 21

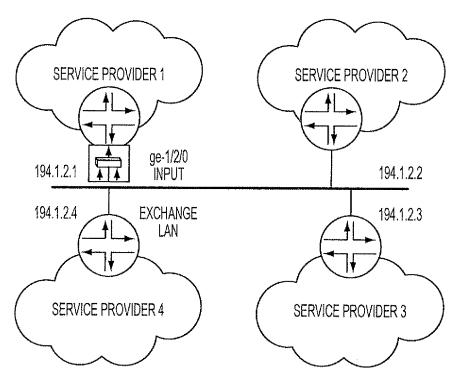


FIG. 22

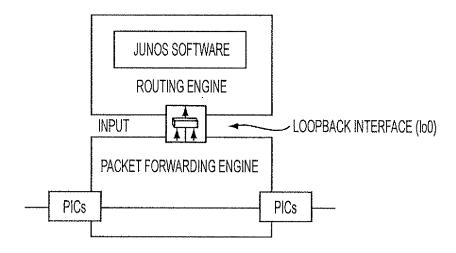


FIG. 23

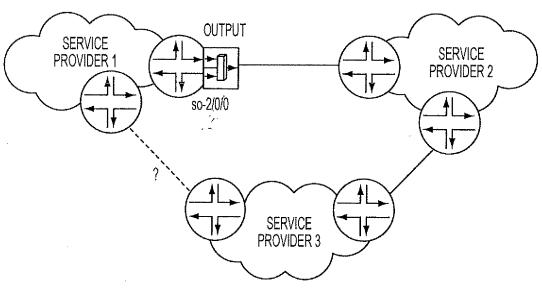


FIG. 24

## SERVICE PROVIDER AS1 CAN USE SAMPLING TO ANALYZE THE TRAFFIC THAT IT SENDS TO AS3 THROUGH AS2. IF THE VOLUME OF TRAFFIC TO AS3 IS HIGH, A DIRECT PEERING CIRCUIT TO AS3 MIGHT BE JUSTIFIED.

FIG. 25

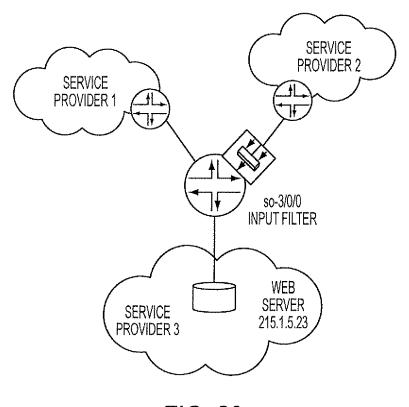


FIG. 26

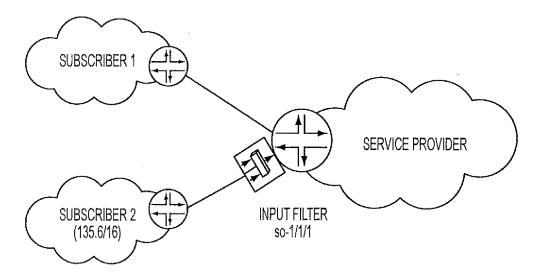


FIG. 27

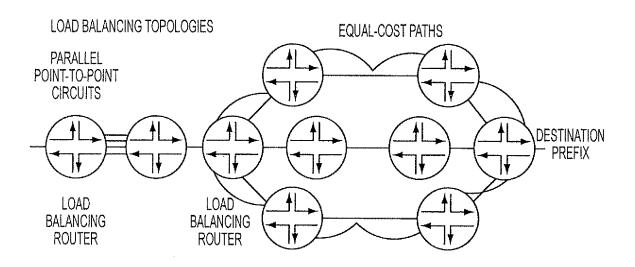


FIG. 28

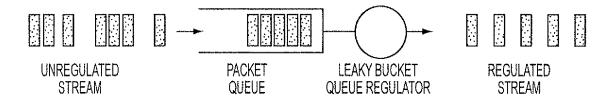


FIG. 29

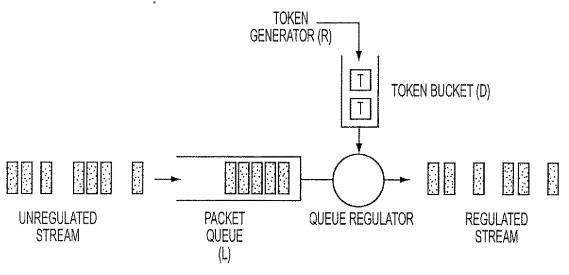


FIG. 30

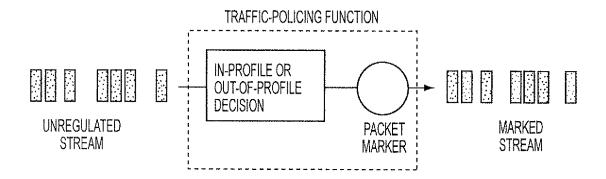


FIG. 31

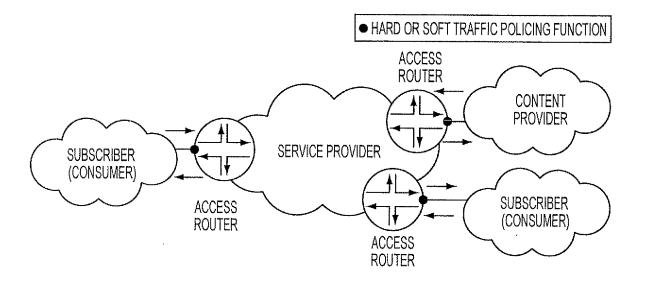


FIG. 32

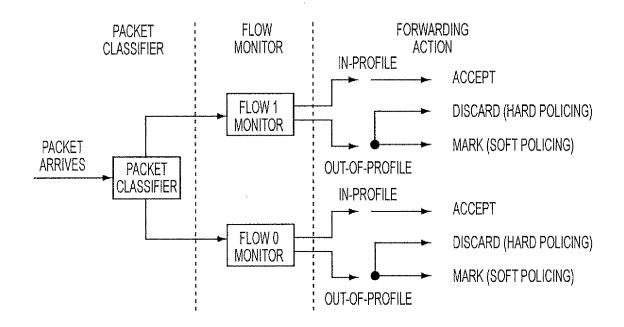


FIG. 33

RULE	IP DESTINATION ADDRESS	DIFFSERV BYTE	PEC
2	192.100/16	EXPEDITED FORWARDING PHB (101110)	2
1	208.197.169/24	ASSURED FORWARDING 2 MEDIUM DROP PHB (010100)	1
0	*	*	0

FIG. 34

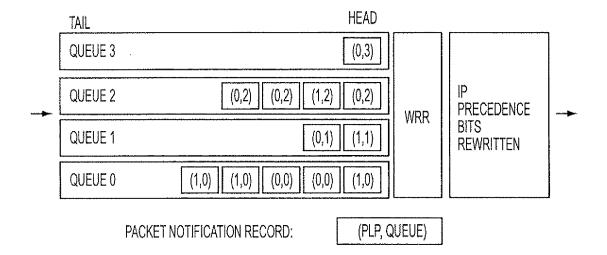


FIG. 35

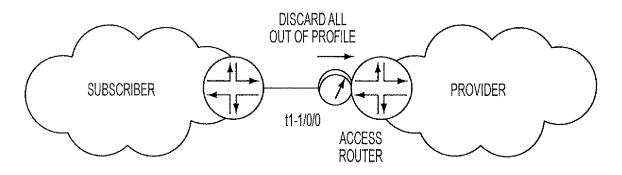


FIG. 36

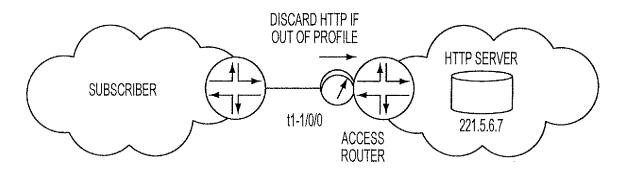


FIG. 37

FIGURE 11: REWRITE IP PRECEDENCE BEFORE TRANSMISSION

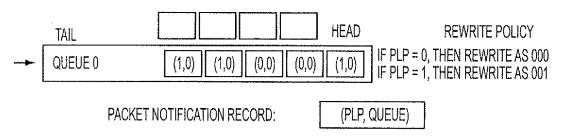


FIG. 38

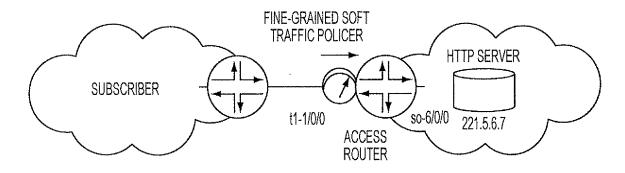


FIG. 39

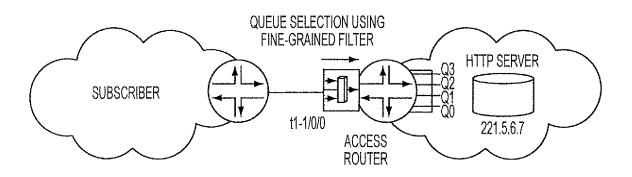


FIG. 40